### (19) World Intellectual Property Organization

International Bureau



## - I MARIA BINIBUDI NI BIRKID INDIN ATRIK ORIGI BINI ANI NI BORDI NIBUL BINI DOBEN NEWI BINI BINI BINI NIBU NDI

### (43) International Publication Date 3 March 2005 (03.03.2005)

**PCT** 

# (10) International Publication Number WO 2005/018710 A2

(51) International Patent Classification7:

**A61M** 

(21) International Application Number:

PCT/US2004/026972

- (22) International Filing Date: 19 August 2004 (19.08.2004)
- (25) Filing Language:

**English** 

(26) Publication Language:

English

(30) Priority Data:

60/497,025

20 August 2003 (20.08.2003) US

- (71) Applicant (for all designated States except US): FACET TECHNOLOGIES, LLC [US/US]; 1850 Parkway Place, Suite 900, Marietta, GA 30067 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): LEVAUGHN, Richard, W. [US/US]; 104 Pheasant Road, Newnan, GA 30265 (US). KENNEDY, Gwenn, E. [US/US]; 5 North Lakeside Drive, Ellenwood, GA 30294 (US). FLYNN, Stephen [US/US]; 605 Wheatleigh Curve, Peachtree City, GA 30269 (US). GRIFFIN, Carl, E. [US/US]; 2081 Breconridge Drive, Marietta, GA 30064 (US). IRWIN, John, C. [US/US]; 148 Springwater Trace, Woodstock, GA 30188 (US). PYNES, Mary, Kate [US/US]; 1175 Old Harris Road #312, Dallas, GA 30157 (US). CAMPBELL, Stephanie, J. [US/US]; 1114 Hazeltine Lane, Kennesaw, GA 30152 (US). RUF, Christopher, J. [US/US]; 2120 Ithica Drive, Marietta, GA 30067-7054 (US). SOLIS, Mitchell [US/US]; 1975 Lexington Lane, Cumming, GA

30004 (US). **ROBBINS, Avi, M.** [US/US]; 539 Timber Ridge Drive, Longwood, FL 32779 (US). **HEATH, Jason, R.** [US/US]; 1530 Mcadoo Drive SW, Marietta, GA 30064 (US).

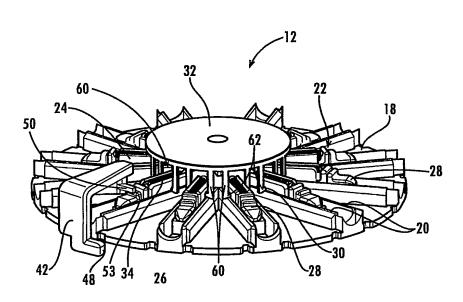
- (74) Agent: GROFF, Bradley, K.; Gardner Groff, P.C., Paper Mill Village, Building 23, 600 Village Trace, Suite 300, Marietta, GA 30067 (US).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

#### Published:

 without international search report and to be republished upon receipt of that report

[Continued on next page]

(54) Title: BLOOD SAMPLING DEVICE



(57) Abstract: A sampling device having a lancing apparatus, and optionally a detector and a meter. The lancing apparatus includes a replaceable cartridge of lancets, each lancet having an independent arming and drive mechanism enabling non-sequential and/or simultaneous firing A lancet retainer of lancets. independently associated with each lancet is movable to uncover an opening through which the lancet tip passes, and to release the lancet for activation. The lancets can be actuated in any order, and multiple lancets can be simultaneously actuated, if desired.

## WO 2005/018710 A2



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.